

Claims:

1. A rail assembly for mounting a server into a cabinet, comprising:
a rail bracket adapted to be mounted in a sidewall of the cabinet;
an outer rail movably received in the bracket, the outer rail comprising a blocking member formed therein; and
an inner rail adapted to be attached to one side of the server and movably received in the outer rail, the inner rail comprising an acting member formed therein engaging with the blocking member of the outer rail for moving the outer rail outward together with the inner rail such that the server can be fully drawn out of the cabinet without the outer rail detaching from the rail bracket.
2. The rail assembly as claimed in claim 1, wherein the inner rail comprises a first base plate and two guiding flanges formed at two opposite sides of the first base plate.
3. The rail assembly as claimed in claim 2, wherein the outer rail comprises a second base plate, two guiding portions formed at two opposite sides of the second base plate, and two first railings parallel to and offset from the guiding portions respectively.
4. The rail assembly as claimed in claim 3, wherein the acting member of the inner rail is a protrusion formed in one of the guiding flanges, and the blocking member comprises a slot defined in the second base plate of the outer rail corresponding to the protrusion of the inner rail.
5. The rail assembly as claimed in claim 3, wherein the acting member of the inner rail is a tab formed in the first base plate, and the blocking member is a blocking plate formed in the second base plate of the outer rail corresponding to the tab of each inner rail.
6. The rail assembly as claimed in claim 1, wherein the rail bracket comprises a

first part, and a second part adjustably connected with the first part by fastening means.

7. A server assembly adapted to be mounted in a cabinet, comprising:

a pair of rail brackets mounted in two sidewalls of the cabinet respectively;

a server; and

a pair of rails attached to opposite sides of the server and slidably received in the rail bracket respectively;

wherein the server can be fully moved out of the cabinet without the rails detaching from the rail brackets.
8. The server assembly as claimed in claim 7, wherein each of the rails comprises an inner rail and an outer rail slidable relative to the inner rail.
9. The server assembly as claimed in claim 8, wherein the outer rail has a blocking member provided therein, and the inner rail has an acting member provided therein.
10. The server assembly as claimed in claim 9, wherein the inner rail comprises a first base plate and two guiding flanges formed at two opposite sides of the first base plate.
11. The server assembly as claimed in claim 10, wherein the outer rail comprises a second base plate, two guiding portions formed at two opposite sides of the second base plate, and two first railings parallel to and offset from the guiding portions respectively.
12. The server assembly as claimed in claim 11, wherein the acting member of the inner rail is a protrusion formed in one of the guiding flanges, the blocking member comprises a slot defined in the second base plate of the outer rail

corresponding to the protrusion of the inner rail.

13. The server assembly as claimed in claim 11, wherein the acting member of the inner rail is a tab formed in the first base plate, and the blocking member is a blocking plate formed in the second base plate of the outer rail corresponding to the tab of the inner rail.
14. The server assembly as claimed in claim 7, wherein each of the rail brackets comprises a first part and a second part adjustably connected with the first part by fastening means.
15. A server assembly comprising:
 - a pair of rail brackets mounted to two opposite side walls of a cabinet, each of said brackets including relatively moveable front and rear parts so as to be adjustably mounted to the corresponding side walls;
 - a first rail moveably received in each corresponding rail bracket;
 - a second rail moveably received in each corresponding first rail; and
 - a server including two opposite side faces, to each of which the corresponding second rail is attached; wherein
 - during withdrawal of the server from the cabinet, the second rail initially moves outwardly relative to the corresponding first rail and via a first abutment structure successively urges the corresponding first rail to commonly outwardly move; during insertion of the sever into the cabinet, the second rail initially moves inwardly relative to the corresponding inner rail and via a second abutment structure successively urges the corresponding first rail to commonly move inwardly; whereby
 - the server is allowed to be withdrawn outwardly with more exposed portions under a stable manner.
16. The server assembly as claimed in claim 15, wherein said first rail is moveably received in the front part of the corresponding rail bracket.